INSPECTION OF PROCESS CONTROL CONCRETE PLANT OR BRIDGE DECK POUR

Date:	
Producer:	
Plant:	
Region:	
HQ M&T Inspector:	
Regional M&T Inspector:	
Plant Representative:	
For Deck Pours:	
Contract:	
Contractor:	
Project Manager (or Designee):	
Engineer (or Designee):	
Regional M&T Inspector:	
Additional Remarks (major deficiencies, so	heduled follow-up visits, etc.):

CONCRETE PLANT QUALITY CONTROL INSPECTION CHECKLIST

INSPECTION ITEM	YES	NO	COMMENTS
Is the Process Control Plan posted in plain view at the plant?			
Does the Process Control Plan show the test results meeting the			
requirements of specification 921.01- Water?			
Does the Process Control include all TDOT or ACI qualified			
Concrete Class 2 or higher technicians employed by the concrete			
supplier that may be responsible for any concrete testing, plant			
operations or any changes involving concrete mixing?			
Is a copy of the Concrete Class 2 or Class 3 certification for these			
personnel posted on the wall or available upon request?			
Does the concrete producer have an approved concrete design for			
the type of concrete being produced?			
Are gradations on fine and coarse aggregate being run according to			
the recommended (weekly or minimum 500 C.Y. for bridge decks			
& other) (1,500 C.Y. for roadway paving), including fineness			
modulus tests and recorded in the files at the concrete plant			
location?			
Are weight checks of aggregate, cement, fly-ash, water, and			
admixtures being recorded and placed in the files?			
Are moisture checks and calculations being made on stockpiles			
before any batching of concrete? These checks can be made by the			
use of moisture probes or other. At least, one (1) check shall be			
made in the AM and one (1) in the PM. Are the checks being			
made and is this information being recorded?			
Have scale checks been made on the aggregate and cement scales			
with a TDOT representative present? Have the scale checks been			
recorded and posted at the plant?			
Are the aggregate stockpiles being kept cool on hot days and warm			
on cold days by some approved method?			
Is there a qualified technician at the plant to do QC testing as			
concrete is being batched?			
Are calculated corrections recorded for adjustments made when			
water is withheld or added on the delivery ticket? (ice should also			
be shown in adjustments)			
Do all the batch tickets reflect the adjustments to the concrete			
mixture at the plant such as added water, ice, admixtures and etc?			
Is the initial slump, air, and temperature tests being performed			
from the first concrete delivery truck for a particular pour and is			
this information being recorded?			
Is the plant keeping records of any and all adjustments made to the		1	
concrete at the plant such as adding ice?			
Is a list posted at the plant of approved concrete trucks? (The list		1	
shall be in a conspicuous location and kept up-dated for accuracy).		1	
(A copy of this list shall be sent to Regional M & T every 6		1	
months).			
Has TDOT M & T checked the concrete lab this year and is the		1	
completed plant check posted in a conspicuous place that indicates		1	
the plant meets the specifications meets all lab requirements and is		1	
an approved concrete supplier?			

INSPECTION ITEM	YES	NO	COMMENTS
Does the concrete supplier keep a record of all tests and		2.0	0.01.11.12.0
inspections performed at the plant by QC personnel?			
Are the records kept in order, current, and readily available at the			
concrete plant for review at any time by TDOT personnel and/or			
FHWA representatives?			
Is the wash water being dumped from all trucks before batching			
operations begin?			
Are the aggregate stockpiles separated in an approved fashion and uncontaminated?			
You are being asked to observe a concrete truck being loaded to			
send to a TDOT project. Does the concrete truck have a working			
revolution counter? Does the concrete truck have a manufacturers'			
identification plate? Does the concrete truck have a working water			
meter?			
Are records of delivery tickets of all materials such as coarse and			
fine aggregates, cement, fly-ash and all other admixtures and			
additives used for state projects kept in the plant files until the			
project is complete?			
Is adverse weather affecting the pour?			
Are temperature limitations being followed?			
Are the admixtures being introduced into the concrete trucks at the			
correct time and in the correct dosage?			
Is the slump of the concrete within specifications and being			
checked before any High Range Water Reducer (or super-			
plasticizer) is being added?			
When Self-Consolidating Concrete (SCC) is being batched; are the			
slump flow, visual stability index (VSI), T50, and passing ability			
within the specifications?			
Do the concrete trucks have the tare, maximum interstate, and			
maximum non-interstate weight limits marked on the driver's side			
of the truck and visible at a distance of 50 feet (a minimum of 2-			
inch lettering is recommended?			
Is there any "Completed Projects" documentation left in the			
Concrete Supplier's files that has not been picked up by the Project			
Supervisor or his representative for incorporation into the project			
final records for those "Completed Projects"?			